

ABSTRACT OF THE DISCLOSURE

The floating brake rotor assembly with non-load bearing pins includes a brake rotor and hub that are coplanar and are interconnected by pin and spring assemblies such that the pins do not bear rotational torque being transferred between the brake rotor and hub. The rotor has tooth-like protruding members along its inner edge that mate with recesses along the outer edge of the hub. When aligned, each protruding member and corresponding recess forms an aperture through which a pin is positioned, and allows for transfer of rotational torque without applying load force to the pin.